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# Pediatric Endocrinology

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MINISTRY OF HEALTH OF THE REPUBLIC OF KAZAKHSTAN  
KAZAKH NATIONAL UNIVERSITY NAMED AFTER AL-FARABI  
KAZAKH NATIONAL MEDICAL UNIVERSITY NAMED  
AFTER S.D.ASFENDIYAROV

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## PEDIATRIC ENDOCRINOLOGY

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Pediatric endocrinology is a captivating field at the intersection of child development, physiology, and medicine, focused on the intricate role hormones play in the growth and maturation of young individuals. Hormones, secreted by the endocrine glands, serve as messengers that regulate processes critical for life – growth, metabolism, development, and the body's response to internal and external stimuli. When this finely tuned system encounters disruptions, the consequences can range from mild to severe, influencing a child's physical, emotional, and cognitive well-being.

This publication is intended for endocrinologists, pediatricians, general practitioners, applicable for the educational process in the specialties of bachelor's degree, internship and residency, as well as for students of the international medical faculty.

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## LIST OF ABBREVIATIONS, SYMBOLS

ACTH	–	Adrenocorticotrophic hormone
ADHD	–	attention-deficit/hyperactivity disorder
CAH	–	congenital adrenal hyperplasia
CGD	–	Constitutional Growth Delay
CGM	–	continuous glucose monitors
CH	–	Congenital Hypothyroidism
CRH	–	corticotropin-releasing hormone
ESPE	–	European Society for Paediatric Endocrinology
FSH	–	Follicle-stimulating hormone
GH	–	growth hormone
GHD	–	Growth Hormone Deficiency
GHRT	–	growth hormone therapy
ISPAD	–	International Society for Pediatric and Adolescent Diabetes
ISS	–	idiopathic short stature
LH	–	luteinizing hormone
MEN	–	multiple endocrine neoplasia
MODY	-	Maturity-onset diabetes of the young
OGTT	–	oral glucose tolerance tests
PCOS	–	polycystic ovary syndrome
T1D	–	Type 1 diabetes
T2D	–	Type 2 Diabetes
TSH	–	Thyroid-stimulating hormone

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